



1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/804,733C

DATE: 02/26/2003

TIME: 14:57:02

Input Set : D:\Mons016.app

Output Set: N:\CRF4\02262003\I804733C.raw

3 <110> APPLICANT: WANG, QI ET AL.
 5 <120> TITLE OF INVENTION: RECOMBINANT PROTEINS CONTAINING REPEATING UNITS
 7 <130> FILE REFERENCE: MONS:016US
 9 <140> CURRENT APPLICATION NUMBER: 09/804,733C
 C--> 10 <141> CURRENT FILING DATE: 2001-03-13
 12 <150> PRIOR APPLICATION NUMBER: PCT/US01/07957
 13 <151> PRIOR FILING DATE: 2001-03-13
 15 <160> NUMBER OF SEQ ID NOS: 29
 17 <170> SOFTWARE: PatentIn Ver. 2.1
 18 <210> SEQ ID NO: 1
 20 <211> LENGTH: 5
 21 <212> TYPE: PRT
 22 <213> ORGANISM: Euthynnus pelamis
 24 <400> SEQUENCE: 1
 25 Leu Lys Pro Asn Met
 26 1 5
 28 <210> SEQ ID NO: 2
 30 <211> LENGTH: 4
 31 <212> TYPE: PRT
 32 <213> ORGANISM: Euthynnus pelamis
 34 <400> SEQUENCE: 2
 35 Lys Pro Asn Met
 36 1
 38 <210> SEQ ID NO: 3
 40 <211> LENGTH: 4
 41 <212> TYPE: PRT
 42 <213> ORGANISM: Euthynnus pelamis
 44 <400> SEQUENCE: 3
 45 Val Val Tyr Pro
 46 1
 48 <210> SEQ ID NO: 4
 50 <211> LENGTH: 15
 51 <212> TYPE: DNA
 52 <213> ORGANISM: Artificial Sequence
 54 <120> FEATURE:
 55 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 56 Primer
 58 <120> FEATURE:
 59 <221> NAME/KEY: modified_base
 60 <222> LOCATION: (3)..(9)
 61 <223> OTHER INFORMATION: N = A, C, G or T/U
 63 <400> SEQUENCE: 4
 W--> 64 ctnaarccna ayatg

Does Not Comply
Corrected Diskette Needed

92

15

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/804,733C

DATE: 12/11/2009

TIME: 14:57:17

Input Set : D:\Mons016.app

Output Set: N:\CRF4\02262003\I804733C.raw

67 <210> SEQ ID NO: 5
 68 <211> LENGTH: 60
 69 <212> TYPE: DNA
 70 <213> ORGANISM: Artificial Sequence
 71 <220> FEATURE:
 72 <221> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 73 <222> Primer
 74 <223> FEATURE:
 75 <224> NAME/KEY: modified_base
 76 <225> LOCATION: (3)..(54)
 77 <226> OTHER INFORMATION: N = A, C, G, or T/U
 81 <400> SEQUENCE: 5

W--> 82 ctnaarcna ayatgctnaa rccnaayatg ctnaarcna ayatgctnaa rccnaayatg 60

85 <210> SEQ ID NO: 6
 86 <211> LENGTH: 60
 87 <212> TYPE: DNA
 88 <213> ORGANISM: Artificial Sequence
 90 <220> FEATURE:
 91 <221> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 92 <222> Primer
 94 <223> FEATURE:
 95 <224> NAME/KEY: modified_base
 96 <225> LOCATION: (7)..(52) (53) ←
 97 <226> OTHER INFORMATION: N = A, C, G or T/U
 99 <400> SEQUENCE: 6

W--> 100 catrttnggy ttnagcatrt tnggyttnag catrttnggy ttnagcatrt tnggyttnag 60

103 <210> SEQ ID NO: 7
 104 <211> LENGTH: 25
 105 <212> TYPE: DNA
 106 <213> ORGANISM: Artificial Sequence
 108 <220> FEATURE:
 109 <221> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 110 <222> Primer
 111 <223> FEATURE:
 112 <224> NAME/KEY: modified_base
 114 <225> LOCATION: (12)..(18)
 115 <226> OTHER INFORMATION: N = A, C, G or T/U
 117 <400> SEQUENCE: 7

W--> 118 aaagaattcc tnaarccnaa yatgc

25

121 <210> SEQ ID NO: 8
 122 <211> LENGTH: 27
 123 <212> TYPE: DNA
 124 <213> ORGANISM: Artificial Sequence
 126 <220> FEATURE:
 127 <221> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 128 <222> Primer
 130 <223> FEATURE:
 131 <224> NAME/KEY: modified_base
 132 <225> LOCATION: (18)..(24)

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/804,733C

DATE: 12-01-2003

TIME: 14:07:10

Input Set : D:\Mons016.app

Output Set: N:\CRF4\02262003\I804733C.raw

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133 <223> OTHER INFORMATION: N = A, C, G or T/U
135 <400> SEQUENCE: 8
W--> 136 aaagcgccg ccatrttngg yttnagc 27
139 <11> SEQ ID NO: 8
140 <11> LENGTH: 20
141 <11> TYPE: DNA
142 <11> ORGANISM: Artificial Sequence
143 <11> FEATURE:
145 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
146 Primer
148 <400> SEQUENCE: 9
149 taatacgaat cactataggg 20
151 <110> SEQ ID NO: 10
152 <111> LENGTH: 19
153 <111> TYPE: DNA
154 <111> ORGANISM: Artificial Sequence
155 <111> FEATURE:
156 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
157 Primer
159 <400> SEQUENCE: 10
160 cgaatcaataa cgaatcgcc 19
162 <110> SEQ ID NO: 11
163 <111> LENGTH: 48
164 <111> TYPE: DNA
165 <111> ORGANISM: Artificial Sequence
166 <111> FEATURE:
168 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
169 Primer
171 <111> FEATURE:
172 NAME/KEY: modified_base
173 LOCATION: (3)..(48)
174 <223> OTHER INFORMATION: N = A, C, G or T/U
175 <400> SEQUENCE: 11
W--> 180 gtngtntayc cngtngtnta yccngtngtn tayccngtng tntayccn 48
183 <210> SEQ ID NO: 12
184 <211> LENGTH: 48
185 <211> TYPE: DNA
186 <211> ORGANISM: Artificial Sequence
187 <211> FEATURE:
189 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
190 Primer
191 <211> FEATURE:
192 NAME/KEY: modified_base
193 LOCATION: (1)..(46)
194 <223> OTHER INFORMATION: N = A, C, G or T/U
195 <400> SEQUENCE: 12
W--> 198 nggrtanacn acnggrtana cnacnggrta nacnacnggr tanacnac 48
199 <110> SEQ ID NO: 13
200 <111> LENGTH: 35

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/804,733C

DATE: 2003-02-27

TIME: 14:07:12

Input Set : D:\Mons016.app

Output Set: N:\CRF4\02262003\I804733C.raw

203 <110> TYPE: DNA
 204 <111> ORGANISM: Artificial Sequence
 206 <112> FEATURE:
 207 <113> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 208 Primer
 210 <112> FEATURE:
 211 <111> NAME/KEY: modified_base
 212 <112> LOCATION: (12)..(33)
 213 <113> OTHER INFORMATION: N = A, C, G or T/U
 215 <400> SEQUENCE: 13

W--> 216 aaaggatccg tngtntaycc ngtngtntay ccn

33

219 <110> SEQ ID NO: 14
 220 <111> LENGTH: 33
 221 <112> TYPE: DNA
 222 <113> ORGANISM: Artificial Sequence
 224 <112> FEATURE:
 225 <113> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 226 Primer
 228 <112> FEATURE:
 229 <111> NAME/KEY: modified_base
 230 <112> LOCATION: (10)..(31)
 231 <113> OTHER INFORMATION: N = A, C, G or T/U
 233 <400> SEQUENCE: 14

W--> 234 cccaagcttn ggrrtanacna cnggrtanac nac

33

237 <110> SEQ ID NO: 15
 238 <111> LENGTH: 45
 239 <112> TYPE: DNA
 240 <113> ORGANISM: Artificial Sequence
 242 <112> FEATURE:
 243 <113> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 244 Primer
 246 <112> FEATURE:
 247 <111> NAME/KEY: modified_base
 248 <112> LOCATION: (3)..(45)
 249 <113> OTHER INFORMATION: N = A, C, G or T/U
 251 <400> SEQUENCE: 15

W--> 252 gtnccncng tncncngt nccncngtn ccncngtnc cncn

45

255 <110> SEQ ID NO: 16
 256 <111> LENGTH: 45
 257 <112> TYPE: DNA
 258 <113> ORGANISM: Artificial Sequence
 260 <112> FEATURE:
 261 <113> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 262 Primer
 264 <112> FEATURE:
 265 <111> NAME/KEY: modified_base
 266 <112> LOCATION: (1)..(43)
 267 <113> OTHER INFORMATION: N = A, C, G or T/U
 269 <400> SEQUENCE: 16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/804,733C

DATE: 2/26/03

TIME: 14:07:10

Input Set : D:\Mons016.app

Output Set: N:\CRF4\02262003\I804733C.raw

W--> 270 nggnggnaacn ggnggnaacng gnggnaacngg nggnaacnggn ggnac 45

273 <210> SEQ ID NO: 17

274 <211> LENGTH: 36

275 <212> TYPE: DNA

276 <213> ORGANISM: Artificial Sequence

278 <214> FEATURE:

279 <215> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

280 Primer

281 <216> FEATURE:

282 <217> NAME/KEY: modified_base

284 <218> LOCATION: (12)..(36)

285 <219> OTHER INFORMATION: N = A, C, G or T/U

287 <400> SEQUENCE: 17

W--> 288 aaaggatccg tncncncgt nccncngtn cncncn 36

291 <210> SEQ ID NO: 18

292 <211> LENGTH: 36

293 <212> TYPE: DNA

294 <213> ORGANISM: Artificial Sequence

296 <214> FEATURE:

297 <215> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

298 Primer

300 <216> FEATURE:

301 <217> NAME/KEY: modified_base

302 <218> LOCATION: (10)..(34)

303 <219> OTHER INFORMATION: N = A, C, G or T/U

305 <400> SEQUENCE: 18

W--> 306 aataagcttn ggnggnaacng gnggnaacngg nggnaac 36

309 <210> SEQ ID NO: 19

310 <211> LENGTH: 8

311 <212> TYPE: PRT

312 <213> ORGANISM: Artificial Sequence

314 <214> FEATURE:

315 <215> OTHER INFORMATION: Description of Artificial Sequence:m Synthetic

316 Peptide

318 <400> SEQUENCE: 19

319 Val Pro Pro Leu Lys Pro Asn Met

320 1 5

323 <210> SEQ ID NO: 20

324 <211> LENGTH: 49

325 <212> TYPE: DNA

326 <213> ORGANISM: Artificial Sequence

328 <214> FEATURE:

329 <215> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

330 Primer

331 <216> FEATURE:

332 <217> NAME/KEY: modified_base

334 <218> LOCATION: (3)..(42)

335 <219> OTHER INFORMATION: N = A, C, G or T/U

337 <400> SEQUENCE: 20

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/804,733C

DATE: 02/26/2003
TIME: 14:57:13

Input Set : D:\Mons016.app
Output Set: N:\CRF4\02262003\I804733C.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 3,9
Seq#:5; N Pos. 3,9,18,24,33,39,48,54
Seq#:6; N Pos. 7,13,22,28,37,43,52,58
Seq#:7; N Pos. 12,18
Seq#:8; N Pos. 18,24
Seq#:11; N Pos. 3,6,12,15,18,24,27,30,36,39,42,48
Seq#:12; N Pos. 1,7,10,13,19,22,25,31,34,37,43,46
Seq#:13; N Pos. 12,15,21,24,27,33
Seq#:14; N Pos. 10,16,19,22,28,31
Seq#:15; N Pos. 3,6,9,12,15,18,24,27,30,33,36,39,42,45
Seq#:16; N Pos. 1,4,7,10,13,16,19,22,25,28,31,34,37,40,43
Seq#:17; N Pos. 12,15,18,21,24,27,30,33,36
Seq#:18; N Pos. 10,13,16,19,22,25,28,31,34
Seq#:20; N Pos. 3,6,9,12,15,27,30,33,36,42
Seq#:21; N Pos. 7,13,16,19,22,31,37,40,43,46
Seq#:22; N Pos. 13,16,19,22,25,28,37,40,43,46,52
Seq#:23; N Pos. 19,25,28,31,34,40,43,46,55,61,64,67,70,76,79,82
Seq#:25; N Pos. 3,6,9,15,18,21,24,30,39,42,45,51,54,57,60,66
Seq#:26; N Pos. 7,13,16,19,22,28,31,34,40,43,49,52,55,58,64,67,70
Seq#:27; N Pos. 13,16,19,25,28,31,34,40,49,52,55,61,64,67,70,76
Seq#:28; N Pos. 19,25,28,31,34,40,43,46,55,61,64,67,70,76,79,82